

## Patent Abstracts of Japan

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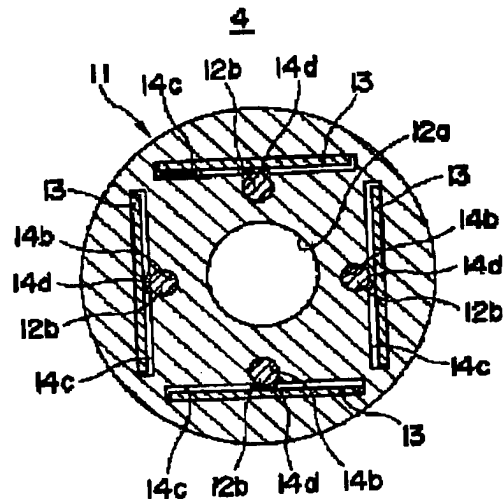
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TITLE : MOTOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide a motor whose reliability and durability are superior.

SOLUTION: A rotor comprises a shaft as an output shaft, permanent magnets 13 and a laminated core 11 comprising a first hole 12a into which the shaft is inserted and comprising second holes 14c into which the permanent magnets 13 are inserted. This motor is provided with the rotor. In addition, it is provided with a stator which is arranged at the outside of the rotor. Third holes 14b are formed near the second holes 14c in the laminated core 11. Pins 12b which are formed integrally with end plates are force-fitted to the third holes 14b. Caulking parts 14d which are sandwiched between the second holes 14c and the third holes 14b in the laminated core 11 are plastically deformed (caulked) so as to be compressively welded to the permanent magnets 13. The permanent magnets 13 are fixed to the laminated core 11.

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